

S-510L, S-510R



BEFORE USE

- Please read this operating guide through before using your speaker system so you will know how to make the most of its performance. After you have finished reading the operating guide, store the guide in a safe place. You will then know where it is, should you wish to refer to it if something is unclear while the speaker system is being used.
- The nominal impedance of this speaker system is 6.3 ohms. Connect the speakers to a stereo amplifier with a load impedance ranging from 4 to 16 ohms (a model with "4 — 16 Ω " displayed on the speaker output terminals).
- In order to prevent damage to the speakers resulting from input overload, please observe the following precautions:
 - Do not supply power to the speakers in excess of the maximum permissible input.
 - When connecting or disconnecting pin-plugs, be sure amplifier power is OFF.
 - When using a graphic equalizer to emphasize loud sounds over a high frequency range, do not use excessive amplifier volume.
 - Do not try to force a low-powered amplifier to produce loud volumes of sound (the amplifier's harmonic distortion will be increased, and you may damage the speaker's tweeter).
- Do not touch the speaker cones' reverberating surfaces as they may be damaged by external force.
- Since this speaker system is a bookshelf-type system, if the speakers are placed directly on the floor, the bass registers may be overly emphasized, resulting in poor listening quality. If this occurs, place the speakers on a stand, or a concrete block, etc. Also, in general, best results will be obtained when the tweeters are on approximately the same level as the listener's ears.

Cautions regarding installation

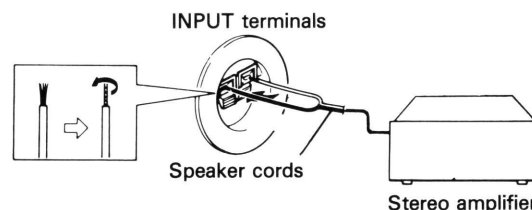
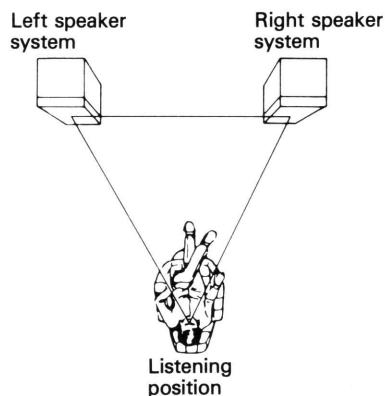
- Do not place speakers in direct sunlight, or near heaters. The cabinet color may change, or the speakers themselves may be damaged.
- Remember that this speaker system is quite heavy, so it is dangerous to install it in a high place like on a wall or pillar or in other unstable locations.

CONNECTIONS

1. Set the amplifier's power switch to OFF.
2. Connect the accessory speaker cords to the input terminals at the rear of the speaker system; hook the red cord to the "+" terminal and the black cord to the "-" terminal. Bear in mind that the red input terminal has a "+" polarity, and the other terminal has a "-" polarity.
3. Connect the speaker cords to the amplifier's speaker output terminals. Connect the red cord to the "+" terminal and the black cord to the "-" terminal.

INSTALLATION

- These speakers are made especially for right and left side use. On the back of the left-side speaker you will find an "L" and on the back of the right-side speaker you will find an "R". The left- and right-side speakers should be placed accordingly, with reference to the listener's position. (Depending on particular room conditions, better results may be achieved from the opposite placement).
- The ideal listening position is considered to be at, or slightly above, the apex of an equilateral triangle, with the speakers located at the base of the triangle.



Depress the input terminal knob, insert the tip of the cord into the hole and then release the knob so that it springs back into position.

NOTES:

- *Make sure that the speaker cords are connected to the terminals securely. Insecure connections may cause not only sound to be interrupted and noise to be generated but also the cords to be shorted and the amplifier to break down.*
- *When listening to a stereo performance with the speaker system connected to a stereo amplifier, you will find that the bass is insufficient, the sound is not spread out and there is no stereo effect if the cords of one of the speaker systems have been plugged into the wrong polarity terminals.*

This operating guide applies equally to the S-510L and S-510R Speaker systems, the only difference being the installation positions (Left versus Right). S-510L For Left-side use. S-510R For Right-side use. For detailed instructions, refer to the section on INSTALLATION.

IMPORTANT NOTICE:

The serial number for this equipment is located on the rear.

Please write this serial number on your enclosed warranty card and keep in a secure area. This is for your security.

PIONEER

DETACHING AND REPLACING THE FRONT GRILLE

The front grille of this speaker system is removable.

Proceed as follows:

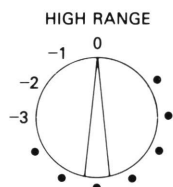
1. Use both hands to hold the top part of the grille, and pull it gently towards you. You will then be able to free the top part of the grille.
2. Similarly, take hold of the bottom part of the grille, and pull it towards you; the whole grille will then be detached from the speaker system.
3. To replace the grille, align the projections in each of the grille's corners with the openings in the speaker system, and push each of the corners into place.

USING THE LEVEL CONTROL

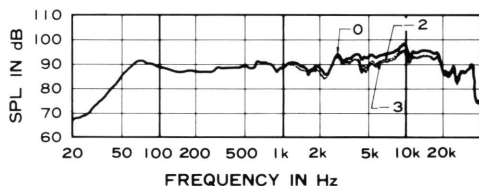
This speaker system is equipped with treble level control which you can adjust to produce the desired sound in accordance with the position of the speaker system or the acoustics of your listening room.

The level control can be found at the front of the speaker cabinet.

1. Detach the front grille.
 2. Set the tone controls on the stereo amplifier to the flat response position (FLAT, 0 or TONE SWITCH OFF POSITION).
 3. Play a record or a tape whose sound you are familiar with and, at the same time, rotate the level control knob to adjust the sound quality to your preference.
- The level control is for adjusting the treble. With the "0" position as the reference level, rotating the knob to the left (◀) attenuates the level.



LEVEL CONTROL CHARACTERISTICS



CABINET MAINTENANCE

- Use a polishing cloth or dry cloth to wipe off dust and dirt.
- When the cabinet is very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and then wipe again with a dry cloth. Do not use furniture wax or cleaners.
- Never use thinners, benzene, insecticide sprays and other chemicals on or near the cabinets, since these will corrode the surfaces.

SPECIFICATIONS

Enclosure Book-shelf style, Bass-reflex type

System 3-way 3-speaker system

Loudspeakers:

Woofer 25 cm (10 in) P.G. cone type

Mid-range 4.5 cm (1-3/4) P.G. cone type

Tweeter Horn-loaded Ribbon type

Nominal Impedance 6.3 ohms

Frequency Range 35 to 50,000 Hz

Sensitivity 91 dB/W at 1 m distance

Maximum Music Power 120 W

Rated Power 40 W

Crossover Frequency 2,000 Hz, 13,000 Hz

External Dimensions 325(W) × 570(H) × 313(D) mm

12-13/16(W) × 22-7/16(H) × 12-5/16(D) in

Weight 12.1 Kg 26.6 Lbs.

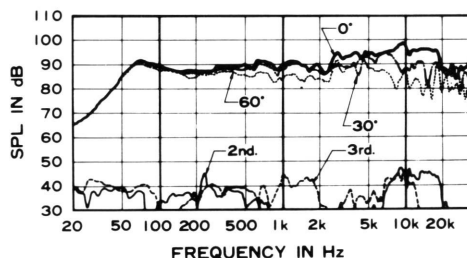
Accessory Parts Operating Guide x 1

Speaker Cords x 1

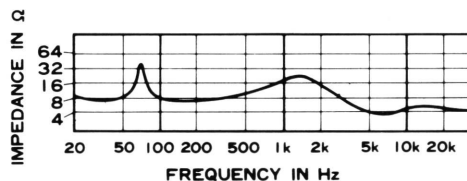
NOTE:

Specifications and design subject to possible modification without notice, due to improvements.

FREQUENCY RESPONSE & HARMONIC DISTORTION



IMPEDANCE



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